



University of Idaho
Idaho (Washington-Idaho-
Montana-Utah, WIMU)
Veterinary Medical Education
Program/
Caine Veterinary Teaching Center

STRATEGIC PLAN
2015 - 2019

Idaho (Washington-Idaho-Montana-Utah, WIMU) Veterinary Medical Education Program/ Caine Veterinary Teaching Center

STRATEGIC PLAN 2015-2019

VISION STATEMENT:

Improved health and productivity of Idaho's food-producing livestock

MISSION STATEMENT:

Transfer science-based medical information and technology concerning animal well-being, zoonotic diseases, food safety, and related environmental issues – through education, research, public service, and outreach – to veterinary students, veterinarians, animal owners, and the public, thereby effecting positive change in the livelihood of the people of Idaho and the region.

Authority and Scope:

The original Tri-State Veterinary Education Program (WOI Regional Program – Washington State University, Oregon State University, and University of Idaho) was authorized in 1973 by the Idaho Legislature (SJM 127). The Program in Idaho is administered by the State Board of Education and The Board of Regents of the University of Idaho. The first Idaho-resident students were enrolled in the program in 1974. In September 1977, the Caine Veterinary Teaching Center (CVTC) at Caldwell, an off-campus unit of the University of Idaho's then Veterinary Science Department, was opened as a part of Idaho's contribution to the WOI Regional Program in Veterinary Medicine. Oregon withdrew from the cooperative program in 2005. In 2012, Washington State University and Utah State University (USU) announced a new educational partnership (W-I-U). In 2013, Montana State University (MSU) became a fourth partner in what is now known as the Washington-Idaho-Montana-Utah (WIMU) Regional Program in Veterinary Medicine. The first DVM class to include MSU students will be admitted in Fall 2014.

The CVTC serves as a food animal referral hospital/teaching center located in Caldwell where senior veterinary students from Washington State University/College of Veterinary Medicine (WSU/CVM) participate in elective rotations that focus on food animal production medicine. The CVTC program is administered through the Department of Animal and Veterinary Science (AVS), in UI's College of Agricultural and Life Sciences (CALS).

The Program allows Idaho resident students access to a veterinary medical education through a cooperative agreement with WSU, whereby students are excused from paying out-of-state tuition. The program currently provides access for 11 Idaho-resident students per year (funding for 44 students annually).

The American Veterinary Medical Association (AVMA) accredits the WIMU Program. Faculty members are specialized in virology, bacteriology, pharmacology, epidemiology, medicine, and surgery, and hold joint appointments between the UI College of Agricultural and Life Sciences in the AVS Department (scholarly activities/research/service) and the WIMU Regional Program in Veterinary Medicine (education/service/outreach/engagement).

The service and diagnostic components of the CVTC are integral to the food animal production medicine teaching program, offering clinical and laboratory diagnostic assistance for individual animal care or disease outbreak investigation for veterinarians and livestock producers in Idaho and surrounding states. Live animals referred by practicing veterinarians are utilized as hospital teaching cases for students when on rotation at that time. Students have access to select, in-house laboratories to process samples they collect and analyze the results. Practicing veterinarians throughout the state who need diagnostic help with disease problems also send samples directly to the laboratories at the CVTC for analyses. Diagnostic services and assistance are also provided to Idaho State Department of Agriculture and to the Idaho Department of Fish and Game. When additional services are required or requested by practitioners, personnel at CVTC receive, process, and ship samples to other diagnostic laboratories.

The establishment of the original “WOI Program” motivated the development of a cooperative graduate program with WSU, allowing cross-listing of the WSU Veterinary Science graduate courses. Thus, UI students are able to enroll for graduate coursework, through the University of Idaho, leading to the Master’s degree from the UI and/or to the PhD degree from WSU. The cooperative graduate program has enhanced research cooperation between WSU and UI faculty members.

Supervision and leadership for programs, operations, the faculty and staff at the CVTC are the responsibility the Director, Dr. Gordon W. Brumbaugh; and, administrative responsibility is with the Head of the AVS Department, Dr. Mark McGuire, and Dean of CALS, Dr. John Foltz.

Education:

Faculty members who are teaching-oriented and have clinical problem-solving skills provide 1- to 4-week blocks of time designed to prepare veterinary students for entry-level positions when they graduate. Opportunities target general food animal medicine, dairy production medicine, cow/calf management, feedlot medicine, sheep/lambing management, and small ruminant clinical medicine.

Activities are selected that allow the student to develop and gain confidence in technical skills as well as professional critical thinking and management of information. Disease agents, fluid therapy, appropriate drug use, nutrition, diagnostic sampling, and necropsy are examples of skills emphasized during individual animal medicine instruction at the CVTC. Production animal medicine stresses development of confidence with professional/technical skills, disease prevention strategies, investigational skills, animal well-being, recordkeeping and interpretation, and reduction of stress for beef or dairy cattle, and for small ruminants (primarily sheep and goats).

Five faculty positions are budgeted in the Idaho Program. In 2013, one faculty member that was stationed at the Moscow campus resigned and has not yet been replaced. Three faculty members are stationed at the CVTC, Caldwell, ID, and one vacancy exists. Also in 2013, the Dawn and Wes Downs Pre-Veterinary Intern Endowed Scholarship was initiated and provides experiential opportunities at the CVTC specifically for a student in the AVS Department undergraduate pre-veterinary program. The Northwest-Bovine Veterinary Experience Program (NW-BVEP) –started in 2007 for a limited number of first- and second-year WSU/CVM veterinary students– is a 6-week summer dairy/beef veterinary experiential learning program funded primarily by grants and gifts. Broadening recognition of the program, successful career development provided, and the growing support (tangible and intangible) are all indicators that the NW-BVEP should be continued.

The CVTC and AVS faculty are involved in state-wide producer educational programs using the CVTC facilities, when appropriate, to offer continuing education programs for veterinarians and livestock producers.

Scholarly Activities/Research/Service:

Nationally- and internationally- acclaimed research has been conducted at the CVTC and includes subjects of cryptosporidiosis, anaplasmosis, neonatal calf diseases, fluid therapy, reproductive diseases of cattle and sheep, genetic control of ovine foot rot, EID (electronic identification) of beef cattle, Johne's disease in cattle, sheep, and goats, and scrapie in sheep. Collaboration with the Idaho Department of Fish & Game regarding wildlife/domestic livestock disease interaction has resulted in elucidation of respiratory organisms causing death in bighorn sheep. Research in many of those areas developed out of past experiences involving teaching/clinical or diagnostic services/outreach. Those activities serve as a source for continuing investigational activities. Funding to conduct research is derived from a variety of sources and results have been published in numerous scientific papers. The research is dedicated primarily to that relevant to regional disease problems.

Service/Outreach/Engagement/Extension:

Faculty members of the CVTC have responsibility for outreach activities, although none of them have official Extension appointments. Their routine activities such as daily/regular interaction and consultation with livestock producers, commodity groups,

veterinarians, UI Extension specialists, and others regarding a variety of topics including: production medicine; disease diagnostics, control, or prevention; and, reproductive problems are all service-oriented. Those activities are major contributors to “hours of operation” of the CVTC and can include receiving, processing, and/or shipping of samples for diagnostic services requested by practicing veterinarians. Several faculty members contribute material on a regular basis to lay publications and industry newsletters, and many are active in state and national professional associations. Faculty and staff members organize on-site tours for individual students, groups, or organizations as well as area residents who are interested in our activities, give presentations at county and state fairs, and participate in “Career Day” or “Job Fair” events at area high schools.

Selective diagnostic services, disease investigations, and clinical studies have significantly benefited many producers through the control of a number of economically devastating diseases. That form of assistance is provided on a fee-for-service basis and in conjunction with the veterinary teaching program. The veterinary pathology discipline was significantly diminished in 2005 when the second of two board-certified veterinary pathologists at the CVTC retired and was not replaced.

Goal 1. Education

Objective A: Continue to provide and improve the highly-rated and effective experiential veterinary clinical teaching program.

Action Items:

- Ensure offerings of elective rotations for experiential learning opportunities that meet contractual requirements (65 rotations offered)

Performance Measures:

- Percentage of elective offerings (blocks) filled

Benchmark:

- Student participation in at least 90% of elective rotations offered

Objective B: Pre-clinical veterinary educational opportunities

Action items:

- Administer experiential summer learning opportunities for first- and second-year students in veterinary education program (Northwest Bovine Veterinary Experience Program – NW-BVEP)

- Administer experiential learning opportunities for endowed pre-veterinary summer internship and scholarship

Performance Measures:

- Annual recurring placement of students

Benchmark:

- Total of 12 first- and second-year veterinary students in the NW-BVEP annually
- One student annually selected to receive the internship/scholarship

Goal 2. Scholarly and Creative Activity

Objective: To provide the atmosphere, environment, encouragement, and time for faculty members to cultivate and nurture their scholarly and creative abilities.

Action Items:

- Encourage faculty to remain influential in their professional/educational disciplines appropriate to the educational mission of the CVTC
- Contribute to the AVS Department area of excellence and the CALS Livestock Program of Distinction by the Idaho Veterinary Medical Education Program

Performance Measures:

- Number of fellows in disciplinary associations
- Personnel elected to leadership role in professional organizations
- Personnel invited to participate as presenters/speakers/advisors for professional organizations, private businesses, or public agencies/institutions

Benchmark:

- Participation in at least one departmental area of excellence and in the CALS Livestock POD
- At least one invited presentation by each faculty member to local, state, regional, national, or international meeting.

Goal 3. Outreach and Engagement

Objective A: Provide diagnostic laboratory, referral professional services, consultation, and field services for the veterinarians and livestock producers in Idaho and the region.

Action Items:

- Update clinical and laboratory instrumentation as budgets allow; thereby, maintaining or enhancing diagnostic laboratory testing procedures and services for veterinarians and livestock producers in the region.
- Encourage continuing education (personal and professional development) by laboratory or clinical support personnel in their given specialty.

Performance Measures:

- Number of field investigations; number of animals/herds served
- Number of laboratory diagnostic and live animal case accessions

Benchmarks:

- At least 250 live-animal clinical accessions per year
- At least 10,000 laboratory accessions per year
- At least 150 field investigations per year
- At least 75 necropsies per year

Objective B: Endeavor to recruit potential students in Idaho and the region who are interested in careers in agriculture and/or veterinary medicine.

Action Items:

- Encourage the participation of faculty and staff in Extension activities, community activities such as “job fairs”, 4-H/FFA activities, and county fairs, etc., in order to elevate the visibility of the CVTC, AVS, CALS, and UI; and, to discuss future needs and careers in agriculture or veterinary medicine.

Performance Measures:

- Number of job fairs, career day or fair activities, or Extension-sponsored meetings in which faculty and staff participated

Benchmarks:

- Participation in at least 10 community activities as described above

External Factors:

- 1) Caseload. Numbers vary for live animal and diagnostic accessions subject to need and economic demand. Ideally, those should be sufficient for instructional goals and objectives as well as to support in-house laboratories. Employment of two faculty members to fill the current vacancies would allow growth in this area to meet requests from practitioners and promote capabilities/technologies currently being developed.
- 2) Loss of essential personnel. Many factors have contributed to suboptimal numbers of personnel currently at the CVTC. In 2013 the number of faculty was decreased to 3 due to resignations and positions left unfilled. It is difficult to hire and retain sufficient numbers of qualified individuals to meet current demands of the program. Positions have been restructured and funding sources modified to the extent possible. There is also very limited means to recognize, reward, and retain individuals with outstanding performance. Growth can only occur after a stable base of resources is in place.
- 3) Diagnostic Veterinary Pathology. This position has been vacant since the retirement of the second of our two veterinary pathologists in 2005. The Pathology specialty is in high demand in veterinary medicine and by clientele of the CVTC. We are outsourcing some diagnostic services, but are unable to incorporate this extremely important specialty in the veterinary teaching program at this time. Diagnostic Veterinary Pathology has been a core service for the producers and veterinarians of Idaho and the surrounding region. The study of disease (pathology) will always be an indispensable discipline for livestock production, veterinary medicine, homeland bio-security, international marketing, and regulatory activities. The importance was reinforced by wording in the 2014 Farm Bill (ex. [National Animal Health Laboratory Network \(NAHLN\)](#), [Animal Health and Disease Research/1433 Formula Funds](#), and [Agriculture and Food Research Initiative \(AFRI\)](#)). The pathology discipline must be re-established at the CVTC.
- 4) Agriculture beyond animal health. Agriculture is the most important contributor to the economy of Idaho. Dairy Production and Beef Production are the two major (respectively) commodities. Other agricultural products and by-products (ex. alfalfa, cereal grains, beet pulp, and potato by-products) serve as cash crops for some producers; or, are utilized in Dairy and/or Beef Production. Idaho is strategically positioned for considerable influence on human and animal food production. That influence is local, regional, national, and international. Respective influences in those markets require that the CALS, AVS, and the CVTC become and remain astute to changes in those markets; and, to strategically prepare to help producers and veterinarians of the future. That requires trained personnel, foresight, resources, and opportunities.

Performance measures and notes listed below have been extracted from the FY13 WI Veterinary Medicine Performance Measurement Report. Refer to the Report in its entirety for more detail.

Performance Measures and Benchmarks:

Performance Measure	FY 2010	FY 2011	FY 2012	FY 2013	Benchmark
1. Senior Veterinary Students Selecting Elective Rotations at the Caine Center.	80	54	71	67	40
2. Number/Percentage of Idaho Resident New Graduates Licensed to Practice Veterinary Medicine in Idaho.	7 Students (64%)	7 Students (64%)	6 Students (56%)	9 Students (82%)	7 students (65%)
3. Number of Disease Investigations Conducted by WI Faculty Members.	228	279	210	122	150
4. Number/Dollar Amount of Grants/Contracts by WI Faculty Members.	10 / \$303,350	9 / \$358,651	8 / \$242,476	8 / \$326,332	7 / \$300,000

Performance Measure Notes:

Rotations offered as electives at the Caine Veterinary Teaching Center continue to be very popular with senior veterinary students and receive consistently high student evaluations. Diagnostic services and field service activities also remain strong.

Of the five faculty positions assigned to the W-I Program, four positions have been vacated during the period since July 2010 – one due to retirement (July 2010) and three due to resignation (September 2011, December 2012, and July 2013). The remaining faculty and one temporary hire have been handling a much heavier teaching and service/outreach load to try and maintain our teaching resources during that time. One position was filled (January 2013); Program Director and Veterinary Scientist, Dr. Gordon Brumbaugh, was hired and now provides leadership for the Caine Center and administrative structure for the W-I Veterinary Medicine Program. A Clinical Assistant Professor position has just been approved and a search will be conducted this fall. The two remaining vacancies each carry a portion of funding from Agricultural Research and Extension, and are under consideration by department and college administration.

Washington State University College of Veterinary Medicine (WSU CVM) has long been partners with the state of Idaho and the Western Interstate Commission of Higher Education (WICHE) program. WSU has announced a new educational partnership program with Utah State University (USU) at Logan. With this new partnership, the W-I Program is now known as the Washington-Idaho-Utah (WIU) Regional Program in Veterinary Medicine.

Designed as a “2+2 program”, the Utah students will spend their first two years in Logan, and the final two years at WSU in Pullman where, as seniors, they will have the opportunity to elect to participate in rotations at the Caine Center. Students accepted to this program earn a DVM degree from WSU College of Veterinary Medicine conferred by the Regents of Washington State University, with joint recognition of Utah State University. The first class of 20 Utah students entered the program at Logan in fall of 2012.